LT187X-81-UR

5.0MM ROUND LAMP

Features

* LOW CURRENT REQUIREMENTS
* HIGH LIGHT OUTPUT
* RELIABLE AND RUGGED
* IC COMPATIBLE

Absolute Maximum Ratings at T_A=25□

REVERSE VOLTAGE (<100μA)	4.0V
D.C. FORWARD CURRENT	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH)	100 mA
OPERATING TEMPERATURE RANGE	-25□ TO + 85□
STORAGE TEMPERATURE RANGE	-25□ TO +100□
LEAD SOLDERING TEMP. (1.6mm FROM BODY)	260□ FOR 5 SEC.

Electrical/optical characteristics at T_A=25□

PART NUMBER	LED CHIP		LEN'S COLOR	PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
	MATERIAL	EMITTING COLOR			TYP.	MAX.	MIN.	TYP.	
LT1871-81-UR	GaAlAs ON GaAlAs	RED	R.D.	660	1.9	2.5	360	600	36
LT1872-81-UR	GaAlAs ON GaAlAs	RED	W.D.	660	1.9	2.5	360	600	36
LT1873-81-UR	GaAlAs ON GaAlAs	RED	W.C.	660	1.9	2.5	1200	2000	12
LT1874-81-UR	GaAlAs ON GaAlAs	RED	R.C.	660	1.9	2.5	1200	2000	12

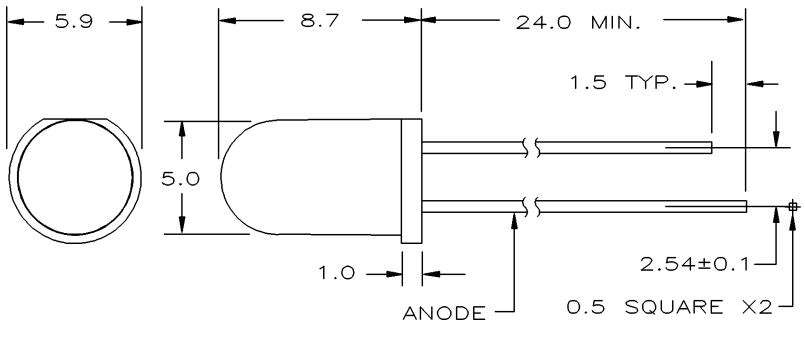
(1) LEN'S COLOR

R.D…..RED DIFFUSED
W.D….WHITE DIFFUSED
R.C…..RED CLEAR
W.C…..WHITE CLEAR

(2) SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

(3) ALL ABOVE COMPONENTS ARE CONSIDERED . DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED .

Package Dimensions



1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.0mm DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY BODY MAY BE 0.5mm MAX.

Radiation Pattern